

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1-88. (Canceled)

89. (Currently Amended) A blur correction camera system, comprising:

a vibration detection unit that detects a vibration;

a blur correction optical system that is driven based upon a detection result of the vibration detection unit to execute a first image blur correction;

an image capturing unit that captures an image formed with a photographic optical system that includes the blur correction optical system; and

an image correction unit that executes a second image blur correction through image processing on an image captured by the image capturing unit, based on the detection result of the vibration detection unit, wherein:

at least one of a time period information relating to a period of time during which a still image is captured by the image capturing unit and a timing information relating to a timing at which the still image is captured by the image capturing unit is inputted to the image correction unit; and

the image correction unit executes the second image blur correction by using at least one of the time period information and the timing information thus inputted.

90. (Previously Presented) The blur correction camera system according to claim 89, wherein the image correction unit executes the second image blur correction using a point spread function obtained based on the detection result of the vibration detection unit.

91. (Currently Amended) The blur correction camera system according to claim 89, further ~~comprising~~ comprising:

a reference value computing unit that computes a reference value for a vibration detection signal output from the vibration detection unit, ~~wherein~~ wherein:

the image ~~blur~~ correction unit executes the second image blur correction using a point spread function obtained based on the reference value ~~value when the blur correction optical system executes the first image blur correction; and~~

the image correction unit executes the second image blur correction using a point spread function obtained based on the vibration detection signal outputted from the vibration detection unit when the blur correction optical system does not execute the first image blur correction.

92.-93. (Canceled)

94. (Currently Amended) ~~The blur~~ A blur correction camera system ~~according to claim 89, further comprising~~ comprising:

a vibration detection unit that detects a vibration;

a blur correction optical system that is driven based upon a detection result of the vibration detection unit to execute a first image blur correction;

an image capturing unit that captures an image formed with a photographic optical system that includes the blur correction optical system;

an image correction unit that executes a second image blur correction through image processing on an image captured by the image capturing unit, based on the detection result of the vibration detection unit;

an image restoration decision unit that makes a decision as to whether or not the second image blur correction is to be executed by the image correction unit ~~based unit,~~ based on at least one of a focal length of the photographic optical system, a period of time during which a still image is captured by the image capturing unit, and a blur component remaining even after the first image blur correction is executed.

95. (Currently Amended) ~~The blur~~ A blur correction camera system comprising:
a vibration detection unit that detects a vibration;
a blur correction optical system that is driven based upon a detection result of
the vibration detection unit to execute a first image blur correction;
an image capturing unit that captures an image formed with a photographic
optical system that includes the blur correction optical system; and
an image correction unit that executes a second image blur correction through
image processing on an image captured by the image capturing unit, based on the detection
result of the vibration detection unit,
~~according to claim 89, wherein~~ wherein:
image blur corrected through the second image blur correction is a blur
component remaining after the first image blur correction is executed.

96. (Previously Presented) The blur correction camera system according to claim 89, wherein image blur corrected through the second image blur correction is a still image blur present in a still image captured by the image capturing unit.

97. (Canceled)

98. (Currently Amended) The blur correction camera system according to ~~claim~~
~~97, claim 89, further comprising~~ comprising:

a reference value computing unit that computes a reference value for a
vibration detection signal ~~outputted from the vibration detection unit obtained by using the~~
~~sensor, wherein~~ wherein:

the image correction unit executes the second image blur correction based on
at least one of a point spread function obtained by using the reference value ~~value~~ and a point
spread function obtained based on the vibration detection signal outputted from the vibration
detection unit.

99. (Currently Amended) The blur correction camera system according to ~~claim 97, wherein~~ claim 94, wherein image blur corrected through the second image blur correction is a still image blur present in a still image captured by the image capturing unit.

100. (Currently Amended) The blur correction camera system according to claim 98, further comprising a reduction unit that reduces a volume of information relating to at least one of the reference value and the point spread ~~function used in the second image blur correction function.~~

101. (Currently Amended) The blur correction camera system according to ~~claim 97, claim 89,~~ further comprising:

~~————— a first saving unit that saves a raw image captured by the image capturing unit;~~
and

~~a second saving~~ a saving unit that saves at least one of ~~a parameter~~ parameters used in the second image blur correction and a restored image obtained through the second image blur correction with the image correction unit in correspondence to ~~the raw image; a raw image on which the second image blur correction is not performed by the image correction unit.~~

102. (Currently Amended) A blur correction method, comprising:
detecting a vibration by a sensor;
driving a blur correction optical system for executing a first image blur correction based on a vibration detection result obtained by using the sensor;
capturing an image formed with a photographic optical system that includes the blur correction optical system; and
executing a second image blur correction through image processing on the image thus captured based on the vibration detection results obtained by using the ~~sensor; sensor;~~

outputting a first vibration signal and a second vibration signal which is different from the first vibration signal by using the sensor;

executing the first image blur correction based on the first vibration signal; and

executing the second image blur correction based on the second vibration signal.

103. (Canceled)

104. (Currently Amended) The blur correction method according to ~~claim 103~~, claim 102, wherein a frequency band of the first vibration signal is higher than a frequency band of the second vibration signal.

105. (Currently Amended) The blur correction method according to ~~claim 103~~, claim 102, further comprising outputting the first vibration signal and the second vibration signal by dividing a signal output from the sensor into the first vibration signal and the second vibration signal using a filter.

106. (New) The blur correction camera system according to claim 89, further comprising:

a control unit that engages the blur correction optical system in the first image blur correction when the image correction unit is to execute the second image blur correction.

107. (New) The blur correction camera system according to claim 94, further comprising:

a reference value computing unit that computes a reference value for a vibration detection signal outputted from the vibration detection unit, wherein:

the image correction unit executes the second image blur correction using a point spread function obtained based on the reference value when the blur correction optical system executes the first image blur correction; and

the image correction unit executes the second image blur correction using a point spread function obtained based on the vibration detection signal outputted from the vibration detection unit when the blur correction optical system does not execute the first image blur correction.

108. (New) The blur correction camera system according to claim 94, further comprising:

a reference value computing unit that computes a reference value for a vibration detection signal outputted from the vibration detection unit, wherein:

the image correction unit executes the second image blur correction based on at least one of a point spread function obtained by using the reference value and a point spread function obtained based on the vibration detection signal outputted from the vibration detection unit.

109. (New) The blur correction camera system according to claim 108, further comprising:

a reduction unit that reduces a volume of information related to at least one of the reference value and the point spread function.

110. (New) The blur correction camera system according to claim 94, further comprising:

a saving unit that saves at least one of parameters used in the second image blur correction and a restored image obtained through the second image blur correction with the image correction unit in correspondence to a raw image on which the second image blur correction is not performed by the image correction unit.

111. (New) The blur correction camera system according to claim 94, further comprising:

a control unit that engages the blur correction optical system in the first image blur correction when the image correction unit is to execute the second image blur correction.

112. (New) The blur correction camera system according to claim 94, wherein:

the image correction unit executes the second image blur correction using a point spread function obtained based on the detection result of the vibration detection unit.

113. (New) The blur correction camera system according to claim 95, further comprising:

a saving unit that saves at least one of parameters used in the second image blur correction and a restored image obtained through the second image blur correction with the image correction unit in correspondence to a raw image on which the second image blur correction is not performed by the image correction unit.

114. (New) The blur correction camera system according to claim 95, further comprising:

a control unit that engages the image blur correction optical system in the first image blur correction when the image correction unit is to execute the second image blur correction.

115. (New) The blur correction camera system according to claim 95, wherein:

image blur corrected through the second image blur correction is a still image blur present in a still image captured by the image capturing unit.

116. (New) The blur correction camera system according to claim 95, wherein:

the image correction unit executes the second image blur correction using a point spread function obtained based on the detection result of the vibration detection unit.

117. (New) The blur correction method according to claim 102, further comprising:

saving at least one of parameters used in the second image blur correction and a restored image obtained through the second image blur correction in correspondence to a raw image on which the second image blur correction is not performed.

118. (New) The blur correction method according to claim 102, further comprising:
engaging the blur correction optical system in the first image blur correction
when the second image blur correction is to be executed.

119. (New) The blur correction method according to claim 102, wherein:
image blur corrected through the second image blur correction is a still image
blur present in a captured still image.

120. (New) The blur correction method according to claim 102, wherein:
the second image blur correction is executed by using a point spread function
obtained based on the detection result of the sensor.